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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/554,272
Filing Date	October 24, 2005
First Named Inventor	Richard F. Eilbert
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	L0632.70016US01

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Return Receipt Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application		
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	Edmund J. Walsh		
Date	November 17, 2005	Reg. No.	32,950

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 18, 2005

Signature:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

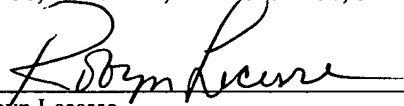
Applicant: Richard F. Eilbert et al.  
Serial No.: 10/554,272  
Confirmation No.: Not yet assigned  
Filed: October 24, 2005  
For: X-RAY IMAGING TECHNIQUE

Examiner: Not yet assigned  
Art Unit: Not yet assigned

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 18<sup>th</sup> day of November, 2005.

  
Robyn Lecsse

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**MS: Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. §1.53(d) and before the mailing of a first Office action on the merits in the above-identified case.

No fee or certification is required.

Serial No.: 10/554,272  
Conf. No.: Not yet assigned

- 2 -

Art Unit: Not yet assigned

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant would like to bring to the Examiner's attention the enclosed search report dated February 8, 2005 from corresponding PCT Application No. PCT/US04/12110.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

Serial No.: 10/554,272  
Conf. No.: Not yet assigned

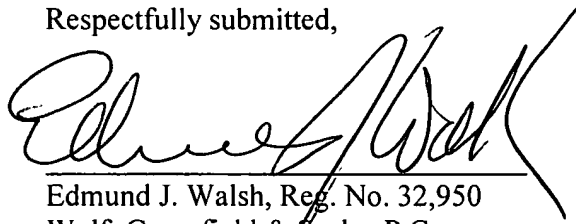
- 3 -

Art Unit: Not yet assigned

An early and favorable action is hereby requested.

Respectfully submitted,

By:



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Wolf, Greenfield & Sacks, P.C.  
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Telephone: (617) 646-8000

Docket No.: L0632.70016US01  
Date: November 17, 2005  
xNDDx

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/554,272		ATTY. DOCKET NO.: L0632.70016US01	
				FILING DATE: October 24, 2005		CONFIRMATION NO.:	
				APPLICANT: Richard F. Eilbert et al.			
				GROUP ART UNIT: Not yet assigned		EXAMINER: Not yet assigned	
Sheet	1	of	1				

#### U.S. PATENT DOCUMENTS

Examiner's Initials <sup>#</sup>	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
		4,131,798		Reddy et al.	12-26-1978
		4,245,158		Burstein et al.	01-13-1981
		4,366,382		Kotowski	12-28-1982
		4,958,080		Melcher	09-18-1990
		5,040,199		Stein	08/13/1999
		5,044,002		Stein	08/27/1991
		5,665,969		Beusch	09-09-1997
		5,974,111		Krug et al.	10/26/1999
		6,118,125		Carlson et al.	09-12-2000
		6,248,990	B1	Pyyhtiä et al.	06-19-2001

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials <sup>#</sup>	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
		WO	2004/095050	A3	L-3 Communications Security and Detection Systems, Inc.	11/04/2004	

#### OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials <sup>#</sup>	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		CARIA, Mario, Ed., "Radiation Imaging Detectors," Proceedings of the 3 <sup>rd</sup> International Workshop on Radiation Imaging Detectors, Orosei, Sardinia, Italy, September 23-27, 2001, Table of Contents.	
		FISCHER, P., et al., "Single Photon Counting X-ray Imaging with Si and CdTe Single Chip Pixel Detectors and Multichip Pixel Modules," 3 <sup>rd</sup> Int'l Workshop on Radiation Imaging Detectors, Orosei, Sardinia, 24-27 Sept. 2001.	
		GRAEME, Jerald G., "Photodiode Amplifiers: Op Amp Solutions," McGraw-Hill, 1995, pp. v-31,	
		MELCHER, C.L., et al., "A promising new scintillator: cerium-doped lutetium oxyorthosilicate," Nuclear Instruments and Methods in Physics Research, A314 (1992) pp. 212-214.	
		"Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors Table of Contents of and Associated Equipment," Vol. 491, Issues 1-2, pgs. 1-350 (21 September 2002), from Science Direct website <a href="http://www.sciencedirect.com/science">http://www.sciencedirect.com/science</a> , pp. 1-5, printed out 3/5/2004.	
		SCHIRATO, R.C., et al., "Development of monolithic Cd <sub>1-x</sub> Zn <sub>x</sub> Te arrays with improved energy and spatial resolution," SPIE, Vol. 2278 X-Ray and UV Detectors (1994), pp. 47-56.	
		TURCHETTA, R., et al., "High Spatial Resolution Silicon Read-Out System for Single Photon X-Ray Detection," IEEE Conference Record, Nuclear Science Symposium and Medical Imaging Conference, vol. 1, May 1994, pp. 435-439.	
		VAN EIJK, C.W.E., "New inorganic scintillators – aspects of energy resolution," Nuclear Instruments and Methods in Physics Research, A471 (2001) pp. 244-248.	
		Search Report Dated February 8, 2005	

EXAMINER:	DATE CONSIDERED:
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<sup>#</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_, filed \_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).